

# FOLIO

UNIVERSITY OF ALBERTA  
4 MARCH 1994



## INSIDE

- Kimberley Krushell assumes presidency of GSA
- Dale Vitt: Kaplan Award recipient
- Biog of William Rowan aptly titled *Restless Energy*

## No-surprise provincial budget

*Market will drive education, says three-year plan*

By Elsa Roehr

The Alberta government wants to focus postsecondary education on meeting the needs of the labour market. And it wants to make institutions more accountable for achieving those aims. That's the message in the three-year business plan for Advanced Education and Career Development tabled with the Provincial Budget on 24 February.

The budget itself held no surprises for the University of Alberta. Advanced Education and Career Development Minister Jack Ady confirmed his 16 January announcement that grants to postsecondary institutions would be reduced over the next three years by 11, seven, and three percent.

There will be no new grants for new construction projects over the next three years, and capital renewal grants will be combined with operating grants, so the University will set its own maintenance and upgrading priorities.

The tuition fee policy will not change for 1994-95.

"With respect to our revenues, the provincial budget confirmed what we were told in January," said Glenn Harris, Vice-President (Finance and Administration). "Budget planning for 1994-95 is unchanged by the Treasurer's announcements."

The three-year business plan for Advanced Education and Career Development held the real news. Claiming to make quality education a priority, the plan will focus on five areas: developing a policy framework for adult learning, improving access, focusing education and research on market needs, making publicly supported education and training more affordable, and making postsecondary institutions increasingly accountable for achieving results in these areas.

Based on public consultation to date, the government expects to deliver a draft white paper later this month and table the final document in May or June.

"Looking to subsequent years, we are very interested in the contents of the draft white paper that Advanced Education and Career Development says will be available in March," said Harris. "That document will speak to a number of key policy issues," he said.

Some of those key policy issues are outlined in the three-year business plan for Advanced Education and Career Development. Government positioned the plan's strategies as preparatory to the white paper.

Strategies for improving access to postsecondary education include a new tuition

policy for 1995 and improved credit transfer arrangements. Athabasca University will work with other institutions and distance learning agencies to expand access using alternative delivery methods.

To further increase access, the government hopes to use its \$47 million "Access Fund" to create about 10,000 student places by 1996-97. The fund will award \$1.6 million in 1994-95.

To ensure these places help students enter the labour market, an Access Fund Advisory Committee will recommend criteria for identifying program areas that can expand to "address labour market needs." U of A President Paul Davenport had wanted a voice for the University on the Advisory Committee, but no postsecondary institution will be represented. Instead, the provincial government will draw committee members from labour, the private sector and students.

At the end of three years, the Alberta government expects "a renewed adult learning system to have emerged."

## Federal budget a welcome reprieve from series of research funding cuts

By Michael Robb

The Liberal government's first budget was welcomed by researchers on campus as an indication the government may finally be taking the development of research and technology seriously.

Vice-President (Research) Martha Piper said the modest funding increases for the three major research granting councils may be fairly small, "but I think that it's a strong statement that this government is serious about supporting basic research."

The budget included, after next year, a 1.5 percent a year increase for the Social Sciences and Humanities Research Council, Natural Sciences and Engineering Research Council and Medical Research Council.

"The councils and agencies that fund university research in science, engineering, medicine and the social sciences are being excluded from spending reductions contained in this budget, reflecting the priority we place on research and development," Finance Minister Paul Martin said in tabling his first budget.

Allan Tupper, Associate Dean for Research, Graduate Students and Planning, Faculty of Arts, cautioned that the increases were modest, but welcome news in light of the cutbacks in other areas. "Psychologically, this will be a boost for researchers ... and is in stark contrast to the Alberta initiatives."

The federal government did not reduce its transfers to the provinces for postsecondary education. It made a number of other commitments which were welcomed across the country by university spokespeople:

- The creation of a Canadian Technology Network to help small businesses get access to cutting edge technology;
- The creation of a Technology Partnership Program to help businesses get access to research done in university and government labs;
- The creation of an engineers and scientists program to help small businesses gain access to technological expertise;
- An increase in funding for the National Research Council in 1994-95; and,
- The creation of a Canadian strategy for developing the information superhighway.

The government's decision to cut funding for the KAON particle accelerator project in Vancouver was not unexpected. Physics Department Chair Ernie Kanasewich said it was clear in the difficult budgetary climate that the federal government would not be going ahead with its commitment to the project, a project a number of University of Alberta physicists supported.

The U of A physicists using the TRIUMF facility will still be able to conduct many use-

## HEV car on display in 'Motor City'

The University of Alberta's hybrid electric vehicle, winner of Ford's 1993 Hybrid Electric Vehicle Challenge, is once again in "Motor City."

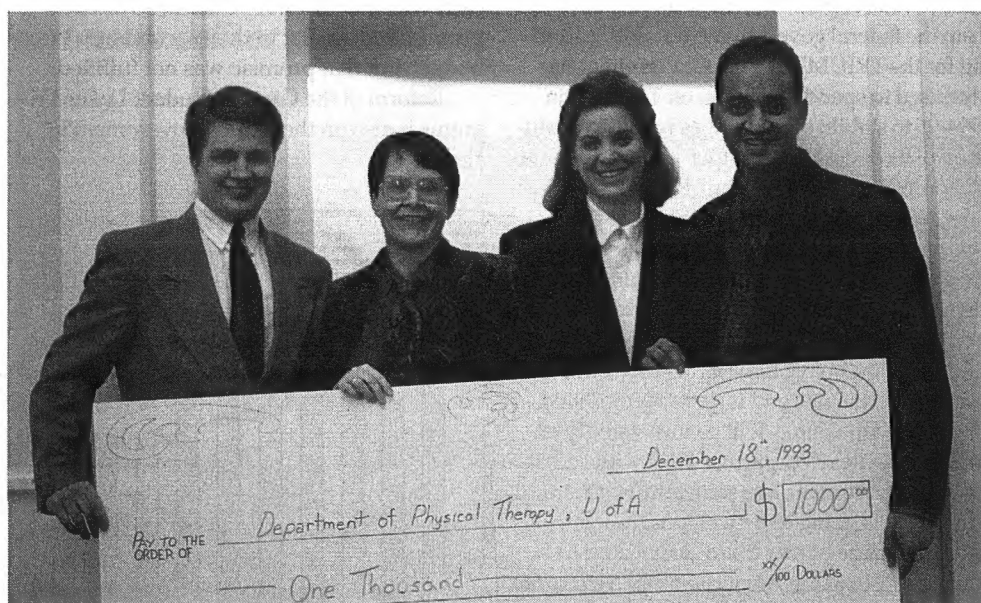
The United States Department of Energy displayed the award-winning car at the annual Society of Automotive Engineers Congress and Exposition, 28 February to 3 March, in Detroit.

The Congress is the world's largest meeting of automobile engineers and designers.

Department of Mechanical Engineering Professor David Checkel says, "This a real feather in our caps. When a US Government agency decides to display the U of A hybrid electric vehicle, it shows the respect it has for our [HEV] team's efforts." The Department of Energy chose the U of A's conversion vehicle as the best example available.

The hybrid electric vehicle operates on an electric-powered motor for short trips, usually within cities, and on a gasoline-powered engine for longer trips, usually outside cities. Jurisdictions such as California are pressuring automobile manufacturers to build nonpolluting vehicles. Many in the automotive industry see hybrid electric vehicles as transition vehicles which will meet emission standards and serve as suitable vehicles until battery technology can be improved.

## Physical Therapy students donate \$1,000 to Faculty



Physical Therapy graduating students Gary Wedman, Kelly Barr and Atma Persad present a class gift of \$1,000 to Jean Wessel, Acting Chair, second from left.

Students in the Department of Physical Therapy's 1994 graduating class were so successful raising funds that they donated \$1,000 to the Faculty of Rehabilitation Medicine and plan to send an equal amount to the Physical Therapy Foundation of Canada, for research.

Jean Wessel, Acting Chair, described the class as a very "forward thinking" group

who, during their first year of studies, began to raise funds for their graduation celebrations. The graduation committee consisted of Kelly Barr, president; Atma Persad, vice-president; Mary Kendall, secretary; and Gary Wedman, treasurer. During their four-year program, almost all 62 class members participated in sponsoring dances and selling shorts, T-shirts, baked goods, Christmas cards, chocolates and raffle tickets.

Continued on page 2



# New GSA leader wants to play constructive role in effecting policy

Kimberley Krushell takes office 1 April

By Michael Robb



Kimberley Krushell, the new Graduate Students' Association President, was elected by acclamation.

"This University offers a quality education at a reasonable price – and I think we want to maintain that," says the new president of the Graduate Students' Association, Kimberley Krushell.

"I understand what happens when you have a deregulated fees environment," says Krushell, who will take on the job 1 April, after serving since October as the GSA's Vice-President (Academic).

Krushell, a Master's of Library and Information Studies program student who earned undergraduate degrees in history and political science in Oregon's postsecondary education system, says, "I value Canadian education; it's a good system. In the United States, postsecondary education has never been considered a right, but rather a privilege."

Krushell will espouse her high opinion of access when she sits down to discuss policy with University administrators, graduate students, taxpayers and government officials over the next year, a year she says is going to be a turbulent one.

The real issue is not whether the spending cuts are going to be made, she says, but whether those cuts are going to be made in an intelligent manner. In the next few weeks, she'll be pulling together GSA people and resources and focus groups to hammer out a position paper on the *Quality First* proposals released recently.

On many of the more global issues facing graduate students, Krushell is unequivocal. For example, she'd like the University to maintain – and ideally raise – tutorial, graduate and research assistantships. She's opposed to full cost recovery tuition schemes for graduate students.

She's against the foreign student fee differential for a number of reasons: world-class institutions have to maintain foreign graduate student levels; foreign students add a cultural diversity to the institution; Canada's relations with other countries are enhanced; and, foreign students' research benefits the University. While she agrees that it's a difficult question for politicians to grapple with, Krushell argues that they simply don't understand the many ways foreign students contribute to the health of the University.

There are other issues on the agenda. The GSA still has to find more spacious quarters

for the food bank. And if graduate students approve the proposed health/dental plans in this month's referendum, the GSA will take on additional administrative responsibilities. Krushell wants to enhance the GSA-Students' Union relationship, saying, "Where we can agree on issues, I'd like to see us vote as a bloc."

She isn't ruling out new services for graduate students either. Some proposals will reach the GSA's council and, if approved there, will be put before graduate students through referenda.

The GSA has a lot of lobbying to do this year. For example, Krushell is pushing hard for changes to the risk-sharing arrangement for student loans, proposed by the Minister of Advanced Education and Career Development. "What guarantees will there be to ensure students with no credit history will still be able to get student loans?"

Behind the scenes, in University committee work and at the Board of Governors, Krushell wants to continue her predecessor's (Frank Coughlan) spirit of cooperation. "In order to be effective, the GSA has to cooperate with the Board to effect changes," she says, acknowledging that the Board will be making very difficult decisions this year and the two organizations simply won't agree on all issues.

Joining Krushell on the GSA's new executive are: Marina Verhoeven, VP Student Services; Frank Coughlan, VP Financial Services; Brent Roe, VP Academic; Iván Jiménez, VP Communications; and Ward Niou, VP Internal.

## Alumni Association to unveil Wall of Recognition

By Coleen Graham

The Alumni Wall of Recognition will be officially unveiled at a ceremony 22 March at 2 pm.

Located on the main floor of the newly renovated Students' Union Building, the Wall features an attractive glass and wood display system with 16 panels, each featuring a photograph and the biography of a distinguished alumnus. The University Alumni Association plans to induct new members to the Wall on a regular basis and circulate the display to other locations around campus.

The plan for the Wall was proposed by the Students' Union and was quickly supported by the Alumni Association as members were looking for a way to recognize outstanding alumni. According to Jim Beckett, Vice-President of Alumni Association Programs, "the students deserve a lot of credit for developing this plan. The Council is delighted to have such an attractive and accessible display area which honours the achievements of these worthy alumni."

To date, eight of the 16 inductees have made plans to attend the unveiling ceremony. They are: Physics Nobel Prize winner Richard Taylor, Canadian energy industry leader Gerald Maier, carbohydrate chemistry pioneer Raymond Lemieux, Supreme Court Justice Beverley McLachlin, Canadian Chamber of Commerce past chairman David McLean, missionary doctor Helen Huston, businessman and philanthropist Francis Winspear, and Spruce Meadows originator Margaret Southern.

Other 1994 inductees are: statesmen Joe Clark and Peter Lougheed, educator Naomi Hersom, satellite communications pioneer Joseph Charyk; author and past-editor (of *Chatelaine*) Doris Anderson, Canadian Advisory Council on the Status of Women President Glenda Simms, children's science books author Ovid Wong, and engineering consultant Don Stanley.

The ceremony is a public event that the Alumni Association hopes will attract staff, students, and alumni. Susan Peirce, the Association's Executive Director, emphasizes, "We want to have as many students involved as possible. It is a terrific opportunity for them to meet some outstanding individuals who are incredible role models."

Following the unveiling, guests are invited to meet the inductees, look at the displays and enjoy refreshments.

## FOLIO

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*Folio's* mandate is to serve as a credible news source for internal audiences by communicating accurate and timely information about issues, programs, people and events.

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Display advertisements: 3 pm Friday, seven days before desired publication date. Camera-ready artwork is required to size, complete with halftones if necessary. Contact Public Affairs for sizes, rates and other particulars.

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## Federal budget

Continued from page 1

ful experiments over the next several years, he said, and some of the department's physicists will continue to conduct particle accelerator research at the CERN research centre in Switzerland.

It certainly wasn't surprising considering the United States' recent cutbacks for a similar facility in Texas, Vice-President Piper said. The tradeoff, she explained, will be a commitment from the federal government to stabilize funding for the TRIUMF facility. Government has promised to spend \$4 million on TRIUMF in 1994-95 to stabilize its activities while an evaluation of its operations is under way. The U of A is a founding member of the TRIUMF facility.

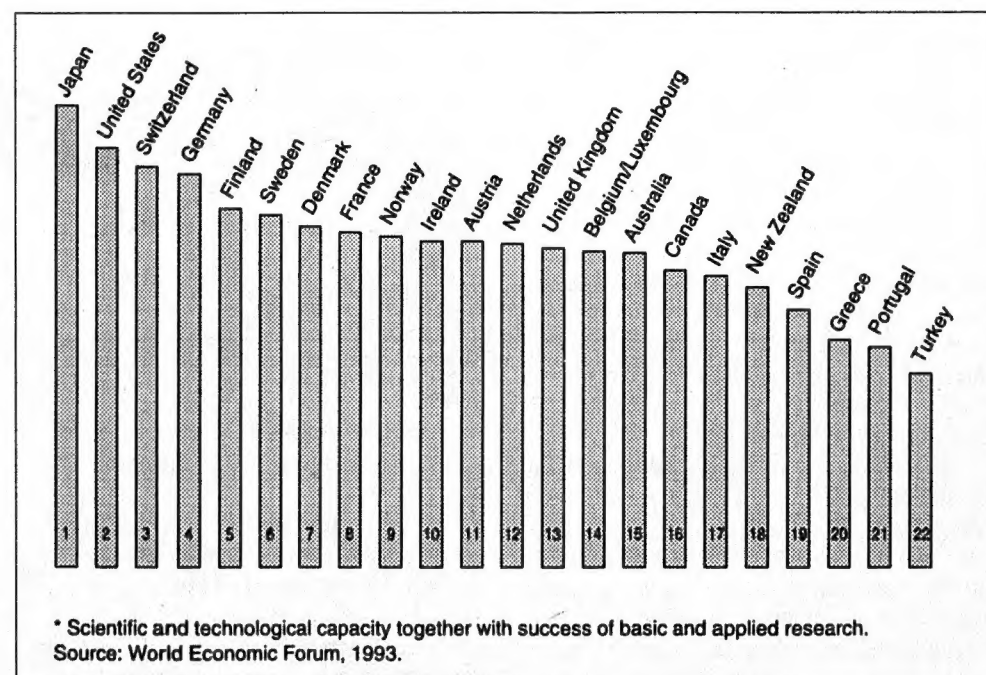
Government will cite its priorities in a paper on science and technology. "This will set the stage for an intense national dialogue leading to a new national science and technology strategy," the Minister of Finance said.

"You don't have to be a rocket scientist to understand that a trend is developing," said Dr Piper. Universities will be increasingly encouraged to develop partnerships with industry and government, she said, adding that the University is going to be well positioned to take advantage of that trend. According to Faculty of Medicine Associate Dean (Research) Joel Weiner, "This budget is a clear statement that industry has to spend more on research and development."

Social science research is not as directly linked to some of the science and technology initiatives, Dr Tupper said, but clearly there will be a need for social science research on the implications of initiatives such as the development of the electronic superhighway. He added that social scientists are still awaiting news of who will be appointed president of SSHRC.

The Faculty of Medicine welcomed the news that the federal government would stabilize funding for the Networks of Centres of Excellence. The Faculty is involved in three of those centres. "We're still awaiting word which ones will be renewed," Dr Weiner said, noting that the Faculty was part of a letter-writing campaign conducted by a lobby group. Canadians for Biomedical and Health Research had asked the government to raise the granting councils' budgets by four percent each year over several years. The Tories promised to do that in their second-last budget, but that promise was not fulfilled.

Reform of the Canada Student Loans Programs is also on the federal government's agenda.



Aggregate measures of R&D activity indicate a real weakness in private sector, nondefence R&D spending relative to other Group of Seven large industrialized economies.



# Wetlands scientist in enviable position

*Freedom to go his own way not lost on Kaplan Award recipient Dale Vitt*

By Michael Robb

Over the 23 years he's been at the University of Alberta, botanist Dale Vitt says he's never once been pressured to move his research in any one direction. He's had complete freedom to do what he loves to do: carry out research on mosses.

The internationally recognized wetlands scientist – who has been awarded this University's most prestigious research award, the 1994 J Gordin Kaplan Award for Excellence in Research – says the University has been good to him. "I give a lot of credit to the Botany Department and the Faculty of Science, both of which have been well run over the last 20 years.

"I think I was favoured during those formative years by being able to discuss my research interests with world-class senior people here at the University," says Dr Vitt. For example, entomologist George Ball's way of thinking greatly impressed Dr Vitt, and former Botany professor Larry Bliss was also influential in developing Dr Vitt's early thinking. In more recent times, ecologist David Schindler has had a tremendous impact on Dr Vitt.

At a time when ecological debates are high on the public agenda, Dr Vitt says he has never felt pressured or obligated to participate in those debates. "But we all feel that we want to be part of important projects; I feel if I have something to offer, I certainly like to be included."

There's a time factor. "I'm not sure one can be a strong, full-time advocate for environmental concerns, and still find the time to carry out academic duties and a strong research program," says the Director of the Devonian Botanic Garden.

"There's a lot of basic science that can be used to address environmental issues, and as a University I think we need to make the effort to ensure that it is used. Too often, we're too rigid in our view of what constitutes a research project. If we weren't so rigid, we could do that same research in the context of an envi-

ronmentally- or industrially-sponsored project. We could answer environmental concerns and the debates in science inherent in those particular kinds of projects."

Well supported over the years by granting councils and private sources, Dr Vitt says funding for research is harder to get. It's more competitive and there's less money around. Yet, it is still available if you're not afraid to be innovative about how you think about it, he says. "We also have to look outside of NSERC and try to develop a rapport with industry and government," says Dr Vitt, who holds NSERC operating, equipment and strategic grants, as well as grants from Esso Canada, Forestry Canada, National Geographic Society and the University totalling approximately \$1.2 million.

That support is founded on a lot of basic, early research. During the first 15 years of his career, Dr Vitt explored mosses in the world's tropical rainforests, boreal forests and high arctic regions. Botany Chair Mark Dale says Dr Vitt's early work resulted in the most complete worldwide study and monograph of the large moss genus *Macromitrium*.

"His interest in classification resulted in the re-classification of all mosses (ca. 10,000 species), the first since 1924-25," explains Dr Dale. That re-classification is now in standard use and helped stimulate worldwide research in systematic bryology.

Dr Vitt's book *Mosses, Lichens and Ferns of Northern America* is unparalleled in North America in usefulness to botanists and nonscientists alike, says Howard Crum, a professor of botany at the University of Michigan.

More recently, Dr Vitt has turned his attention to peatland ecology, development and restoration, in particular, peatland distribution and development and how that's related to climate and permafrost distribution. By examining past and present bog landform distributions in relation to climate and permafrost, he and his research associates are confident that



Photo Services

Dale Vitt: a lifetime spent researching the mosses of the world.

this research can be used to understand what will happen to peatlands in northern Canada under global warming conditions.

It's an example of the importance of doing basic research, and how that knowledge will ultimately enable a researcher to understand more complex questions and phenomena. "I've actually gone from knowing about moss species, to understanding where they grow, what that tells me about the environment and then scaling that information package up to landscape size. Now someone can take this information and actually use it to predict how

much permafrost will melt due to temperature increases."

Dr Vitt's curiosity-driven research has been his lifelong passion. His best days occur, he says, when he can simply sit in front of a microscope and examine mosses. There have been costs, however, of indulging that passion. In the early days, he was often away from home when his children were growing up. "I couldn't have done it," he says, "without the support of my wife Sandra. As I've gotten older, our family has become more important."

## Huge turnout for Preview 1994

*Faculty members from some 50 departments deliver presentations*

By Michael Robb

Conversation overheard in the Fine Arts Building: First student: "Wow! This building is bigger than our entire high school." Second student: "Yeah, awesome, eh?"

Yes, it's a big place, as many of the thousands of students who attended the University's Preview 1994 discovered last week, but for many it will be a place where they'll make enduring friendships, learn, grow and have fun.

"I came because I'm interested in the performing arts, says Grade 10 student Leslie Lindballe, from Manville, Alberta. Lindballe, who attended a session on the Drama Department presented by Michael Murdock, says her high school counsellor encouraged students to attend a number of these kinds of open-house events at postsecondary institutions.

Her initial impression? "It's really big," she says.

Classmate Lisa L'Hirondelle says she's not sure what she wants to study once she's finished high school – perhaps native studies or law – but she attended Preview 1994 to check out her options.

The University's high school liaison officer in the Registrar's Office, Norman Mendoza, encouraged students in the Thursday morning



High school and transfer students tour the Fine Arts Building last week during Preview 1994.

opening session to "be curious about what's going on around you. Ask questions. Learn more about this campus."

He says the annual event is an ideal opportunity for students to get a feel for what it's like to be a University of Alberta student.

The two-day event included: presentations by faculty members from approximately

50 departments; more than 80 displays; tours of the campus, buildings and residences; and, informal gatherings where parents and students could ask questions. An informal luncheon was held for high school counsellors and a special reception, hosted by the Senate, was held for parents.

## CURRENTS

### Training & Development moving to SUB

The Training and Development branch of Personnel Services and Staff Relations is moving from Assiniboia Hall to SUB on 7 March. The new location is Room 216D SUB. The fax number is 492-8765; the phone numbers for Roger Dugas (492-0726) and Jane Toulouse and Shirley Leonard (492-4660) remain the same.

### Entertainment Industry Career Forum

Career and Placement Services (CaPS) is sponsoring an Entertainment Industry Career Forum, 10 March, from 6 to 9 pm in L-4 Humanities Centre. Tickets are available at CaPS (4th Floor, SUB, 492-4292) for \$3; remaining tickets will be sold at the door for \$4.

### Retirement celebration for Jean Young

Colleagues, friends and students of Dr Jean H Young (Elementary Education) are invited to a celebration honouring her on her retirement from the University of Alberta. A reception will be held Thursday, 24 March, at the Faculty Club. Please call Gwen Parker, Office of the Department of Elementary Education, at 492-4273, for further information. RSVPs due by 17 March.



# Restless Energy details life of founder of Zoology Department

Scientific biographies wonderful way to learn how science works, says Rowan biographer

By Michael Robb

William Rowan arrived in Edmonton in the fall of 1920. He had been offered the opportunity of a lifetime: to build a department of zoology at the University of Alberta.

President Henry Marshall Tory picked Rowan and his wife, Reta, up at the Hotel MacDonald. Both were impressed by the winding North Saskatchewan River, the verdant ravines and the University's red-brick buildings, writes Marianne Gosztonyi Ainley, in her recently released biography, *Restless Energy: A Biography of William Rowan, 1891-1957*.

"Used to the crowded urban premises of University College, London, and the University of Manitoba [after less than a year there], Rowan greatly appreciated the space surrounding the buildings and the proximity of the university farms. He soon wrote to an acquaintance that he was 'well pleased with Edmonton, and with the University.'"

Rowan would indeed go on to found the Department of Zoology. Over the years, he would earn a reputation as one of Canada's most prestigious scientists, an outstanding conservationist and a talented and highly-regarded wildlife artist. He would also establish an international reputation with his innovative experiments on bird migration.

"As a naturalist and a student of the history of science, I have known about William Rowan's work for many years," says Dr Ainley. "By the 1980s, when I was working on a history of Canadian ornithology, I found that Rowan's ground-breaking work had been discussed in zoology textbooks, cited in scientific papers, and included in Erwin Stresemann's *Ornithology: From Aristotle to the Present*. He was always described in larger than life terms."

Indeed, Rowan was a giant in the history of the University of Alberta.

In the course of her own research, Dr Ainley, principal of the Simon de Beaver Institute at Concordia University, came across Rowan's correspondence with ornithologist Perch Taverner. "This was an eye opener. I was amused by Rowan's colourful turn of phrase and fascinated by his discussions of science, the position of Canadian scientists in a North American context, and attitudes towards wildlife and conservation."

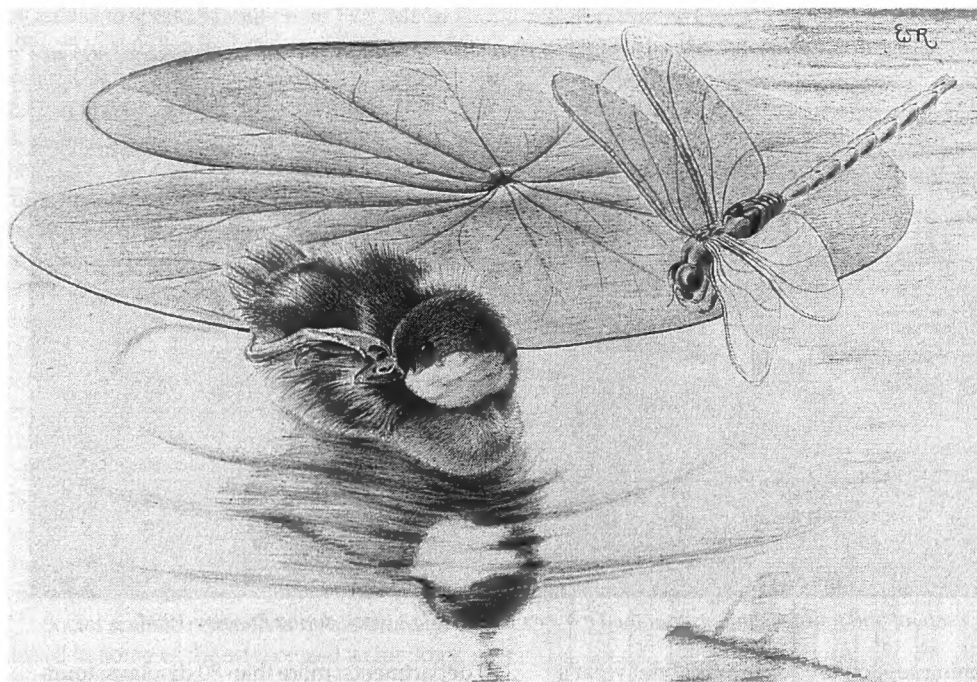
Seizing an opportunity to combine her interests in histories of science and ornithology, and people's experiences, Dr Ainley decided to write a biography, at the same time getting encouragement from Professor Emeritus David Boag, one of Rowan's students.



William Rowan with pet raven, early 1950s. University of Alberta Archives.

Dr Ainley's "warts and all" biography describes Rowan's early years growing up in Europe in an affluent family, an early trip to the Canadian west, his zoology studies at University College, and his short career as a school teacher in England. The biography details his stint as second-in-command of the University of Manitoba's zoology department before he was wooed successfully by Tory, who was anxious to build a reputable university on the banks of the North Saskatchewan.

Much of the book is devoted to Rowan's scientific work at the U of A. However, Dr Ainley avoids describing that work in overly complex scientific language, instead detailing his important work in language lay readers can understand. "I worked very hard to make this readable," she says. "I hope naturalists, historians, zoology students and conservationists will find the work easygoing and interesting."



Students interested in seeing William Rowan's formidable artistic work will find it in the William Rowan Memorial Laboratory, CW-306 Biological Sciences Building. At one time, Rowan toyed with the idea of becoming a wildlife artist, rather than a scientist. Two mentors discouraged him from doing that. Nevertheless, the zoologist maintained his love of drawing throughout his lifetime.

The author writes sympathetically about Rowan's colossal battles with President Tory. "Whatever the reasons, the first clash in October 1920, was the beginning of a long-standing feud between two volatile, determined people, the administrator, who had long ago given up scientific work, and the new assistant professor, who was at the beginning of his career as teacher, scientist and innovative researcher," she states.

The roots of that feud were Tory's disdain for Rowan's extensive field work – Tory thought "real" research originated in laboratories – and Rowan's emphasis on the study of birds rather than on more general zoology.

Nevertheless, in spite of unsupportive administrators, overcrowded classrooms and heavy teaching loads, and very little money to support his research, Rowan managed to establish a reputation founded on good science. "Rowan's pioneering work in ornithology combined the traditions of nineteenth-century British natural history with the laboratory methods of twentieth-century zoology," she says. "To these Rowan added an ecological perspective, which he employed in his study of the immediate stimulus of bird migration, his first major research topic."

He was really the "guru of migration", says Dr Ainley. His study of the physiological basis of migration resulted in a great deal of subsequent experimental work in Europe and North America.

Dr Ainley describes in detail the debilitating effect Rowan's consuming passion for his work had on his family. Over the years, Rowan's never-ending field trips, work with other colleagues, and late-night writing sessions took their toll on their marriage.

Rowan, however, touched countless people. He trained a number of influential wildlife biologists, and his pen-and-ink drawings and sketches have long been valued by naturalists and scientists. "Doc" Rowan's radio broadcasts on nature, science, conservation, ethics and war were heard by Canadians for nearly three decades. And his popular articles in mass-circulation publications were read by thousands.

According to Dr Ainley, Canada needs more histories of science. "This is a wonderful way to find out how science works. I have tried to illuminate the complex web of his life, his approach to nature and science, the minutiae of his scientific research, his many victories and self-doubts and his relationships with his family and friends."

The book is published by Véhicule Press, Montreal.



## ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

8 March, 4 pm

Akira Chiba, postdoctoral fellow, Department of Physics, University of Tokyo, "Cellular and Molecular Mechanisms of Selective Synapse Formation in *Drosophila* Neuromuscular System." Presented by Anatomy and Cell Biology. 5-10 Medical Sciences Building.

9 March, 4 pm

Tony Futerman, Weizmann Institute of Science, Rehovot, Israel, "The Synthesis, Degradation and Intracellular Transport of Sphingolipids." Hosts: Biochemistry and the Lipid and Lipoprotein Research Group. 207 Heritage Medical Research Centre.

## ANTHROPOLOGY

4 March, 3 pm

Avraham Ronen, University of Haifa, Israel, "The Origin of Agriculture in the Levant." 14-28 Tory Building.

14 March, 3 pm

Marcelo Zarate, Department of Geology, University of Mara del Plata, Argentina, "Geoarchaeology and Paleo-Indians in South America." 14-28 Tory Building.

## APPLIED SCIENCES IN MEDICINE

14 March, noon

Monique Frize, Officer of the Order of Canada Northern Telecom – NSERC Distinguished Chairholder and Biomedical Engineering Institute, Department of Electrical Engineering, University of New Brunswick, "The Development of a Medical Information System for Critical Care Units." Classroom D, 2F1.04 Mackenzie Health Sciences Centre.

## BIOCHEMISTRY

8 March, 4 pm

Anne Galloway, "Metabolic Processing of UV-Induced DNA Damage." 4-70 Medical Sciences Building.

## CANADIAN INSTITUTE OF UKRAINIAN STUDIES

11 March, 7:30 pm

Petro Martynenko, director of the Chair of Comparative Law and professor at the Institute of International Relations, Kyiv State University, "Ukraine and Crimea: Legal Status and Recent Developments" (in Ukrainian). Heritage Lounge, Athabasca Hall.

## CENTRE FOR CONSTITUTIONAL STUDIES

9 March, noon

Ulrich K Preuss, Faculty of Law, Zentrum für Europäische Rechtspolitik, University of Bremen, "Problems of a Concept of European Citizenship." 4th Floor, Faculty Lounge, Law Centre.

## CHEMICAL ENGINEERING

10 March, 3:30 pm

Trevor Parsons, "Mass Transfer from Solid to Liquid in a Rotary Drum." 342 Chemical-Mineral Engineering Building.

## CLASSICS AND PHILOSOPHY

Julia Annas, University of Arizona and Visiting Professor in Classics and Philosophy, will present the following lectures and seminars:

4 March, 3:30 pm

"Plato's Later Political Theory." TB-W1 Tory Breezeway.

7 March, 3:30 pm

"Virtue Ethics." L-2 Humanities Centre.

8 March, 3:30 pm

"Virtue Ethics." L-2 Humanities Centre.

9 March, 3:30 pm

"Virtue Ethics." L-2 Humanities Centre.

10 March, 4 pm

"Reclaiming Virtue for Ethics." L-1 Humanities Centre.

# TALKS

11 March, 3:30 pm

"Plato's Socrates: Philosophy and Dialogue." L-2 Humanities Centre.

## COMPUTING SCIENCE

7 March, 3:30 pm

Alan K Mackworth, University of British Columbia, "On Seeing Robots." 2104 Dentistry-Pharmacy Centre.

## EAST ASIAN STUDIES AND CONSULATE GENERAL OF JAPAN

4 March, 3 pm

Joseph Kees, University of Victoria, "Ambiguity in Japanese and English." 504 Arts Building.

## ECONOMICS

8 March, 3:30 pm

Jack Mintz, Arthur Andersen Professor of Taxation, Faculty of Management, University of Toronto, "The Future of Tax Policy in Canada." 2-09 Business Building.

10 March, 3:30 pm

Dr Mintz, "Reallocation Versus Harmonization of Tax Fields in Canada." 10-04 Tory Building.

11 March, noon

Dr Mintz, "Capital Taxation and the Economic Integration of the Americas." Faculty Lounge, 4th Floor, Law Centre.

## ENGLISH

4 March, 3 pm

Toril Moi, "Cultural Capital – Appropriating the Sociology of Pierre Bourdieu for Feminist Purposes." L-3 Humanities Centre.

8 March, 2 pm

Toril Moi, "Feminist Theory – From Socialist Feminism to Materialist Feminism: Rereading *The Second Sex*." L-3 Humanities Centre.

10 March, 2 pm

Toril Moi, "Reading for the Affects – Case Material: The Rhetoric of Depression in Simone de Beauvoir's Autobiographies and Letters." L-3 Humanities Centre.

## ENTOMOLOGY

10 March, 4 pm

Scott Digweed, "Ecology of Birch-Leafmining Sawflies in Alberta (Hymenoptera: Tenthredinidae)." TB-W1 Tory Breezeway.

17 March, 4 pm

James Hammond, "Bugs, Beasts and Biodiversity: The Arthropods Inhabiting Rotting Wood, (*Populus* spp)." TB-W1 Tory Breezeway

## ENVIRONMENTAL RESEARCH AND STUDIES CENTRE

10 March, noon

Bill Calder, Environment Council of Alberta, "Future Environmental Directions for Alberta Project." M-330 Biological Sciences Centre.

## FACULTÉ SAINT-JEAN

4 mars, 8h30-18h30

Journée Du Savoir de l'ACFAS – Alberta et de l'Institut de recherche de la Faculté Saint-Jean. Quatorze communications en sciences humaines, naturelles et sociales. Conférencière invitée: Maître Bartha Maria Knoppers, "Le Droit face aux nouvelles technologies en génétique." Renseignements: Frank McMahon ou Laurent Godbout au 465-8700.

## FOOD SCIENCE AND NUTRITION

14 March, 12:30 pm

Steven Clarke, Food Science and Human Nutrition, Colorado State University, "Regulation of Gene Transcription by Dietary Polyunsaturated Fatty Acids." Sponsor: Alberta Heritage Foundation for Medical Research. 2J4.02 Mackenzie Health Sciences Centre.

## FOREST SCIENCE

9 March, noon

Ted Hogg, research scientist, Canadian Forest Service, "Climate and the Southern Limit of the Boreal Forest." 821 General Services Building.

## GENETICS

4 March, 4 pm

Ian MacDonald, "Candidate Gene Approach or Positional Cloning: The Example of Choroideremia." G-116 Biological Sciences Centre.

## GEOGRAPHY

4 March, 3 pm

Larry Bourne, Department of Geography, University of Toronto, "Life on the Edge: Challenges and Opportunities for Geographical Research." TB-87 Tory Building.

11 March, 3 pm

Martin Sharp, "Borehole Based Studies of Glacial Hydrology." 3-36 Tory Building.

## GEOLOGY

8 March, 11 am

Marcelo Zarate, National University of Nar del Plata, "Aspects of the Quaternary of South America." 1-04 Earth Sciences Building.

## GERMANIC LANGUAGES

4 March, 3 pm

Gertrud Jaron Lewis, Laurentian University, "The Late Medieval Sister-Books – A Much Maligned (If Not Forgotten) Chapter of Women's Literature." 326 Senate Chamber.

## HUMAN ECOLOGY

8 March, 3:30 pm

Lesley Just, Tamara Tuchak and Eloise Murray, "Inuit Women and Statistical Indicators: Barely Visible." 207A Law Centre.

15 March, 3:30 pm

Michele Ivanitz, "Gender Issues in Land Claims." Tom Hinch, "Tourism: Issues of Sustainability in the North." 207A Law Centre.

## INSTITUTE OF GEOPHYSICS, METEOROLOGY AND SPACE PHYSICS

10 March, 2 pm

Jacek Majorowicz, Northern Geothermal, "Underground Record of Changing Climate in Western Canada." 631 Physics Building.

## LIMNOLOGY AND FISHERIES DISCUSSION GROUP

10 March, 12:30 pm

Karen Kidd, "You Are What You Eat: Using Stable Carbon and Nitrogen Isotopes to Trace the Biomagnification of Contaminants Through Freshwater Food Webs." G-116 Biological Sciences Centre.

17 March, 12:30 pm

Sharon Reedyk, "Remediation of Eutrophic Lakes: When is Lime Appropriate?" G-116 Biological Sciences Centre.

## MEDICAL MICROBIOLOGY AND INFECTIOUS DISEASES

4 March, noon

Xiaoling Puyang, "Strain Identification of *Mycobacterium bovis* by DNA Fingerprinting." 2J4.02 Mackenzie Health Sciences Centre.

## PERINATAL RESEARCH CENTRE

8 March, noon

Don Morrish, "Regulation of Placental Differentiation." 2J4.02 Mackenzie Health Sciences Centre.

15 March, noon

Charlene Robertson, research and clinical director, Neonatal Follow-up Clinic, Glenrose Rehabilitation Hospital, "Neonatal Follow-up." 2J4.02 Mackenzie Health Sciences Centre.

## PETER JACYK CENTRE FOR UKRAINIAN HISTORICAL RESEARCH

9 March, 3:30 pm

Frances Swyripa, "Church and Court Records From the Lviv Archives as a Source for Ukrainian Gender Relationships." 352 Athabasca Hall.

## PHARMACY AND PHARMACEUTICAL SCIENCES

10 March, 3 pm

Robert A Blouin, Division of Pharmacology and Experimental Therapeutics, College of Pharmacy, University of Kentucky, "Cytochrome P450 Enzymes: Mechanism of Phenobarbital Induction." Sponsor: Alberta Heritage Foundation for Medical Research. 2031 Dentistry-Pharmacy Centre.

## PHYSICS

4 March, 2 pm

John Stephenson, "Spirals in the Mandelbrot Set." V-129 Physics Building.

## PLANT SCIENCE

10 March, 12:30 pm

Su-jun Deng, Institute for Biological Sciences, National Research Council of Canada, "Phage-Display and *in vitro* Affinity Maturation Systems in Antibody Engineering." 1-06 Agriculture-Forestry Centre.

17 March, 12:30 pm

Daryl Somers, University of Missouri, "Studies on the Genetics of Aluminum Tolerance in Wheat." 1-06 Agriculture-Forestry Centre.

## RELIGIOUS STUDIES

18 March, 10 am

The Academy Studies Islam  
Andrew Rippin, University of Calgary, Religious Studies, "'Hide and Seek': Seeking the Face of God in the Qur' n."

Saleem Qureshi, "Contemporary Islamic Movements: Islamist Initiatives and Government Responses."

Earle Waugh, "Fazlur Rahman at the University of Chicago: Western Humanism and Muslim Identity."

Lectures take place in TB-W2 Tory Breezeway.

## RISK MANAGEMENT SEMINAR SERIES

11 March, 3:30 pm

Craig Summers, assistant professor, Department of Psychology, Laurentian University, "Modeling Perceptions of Future Risk: A Case Study of Community Health, Economic and Environmental Factors." 2J4.02 Mackenzie Health Sciences Centre.

## RURAL ECONOMY

7 March, 3:15 pm

Kristine McLeod, "Incorporating Perceptions of Site Quality for Moose Hunting in a Travel Cost Model." 519 General Services Building.

## Talks Continued from page 5

14 March, 3:15 pm

Jack Mintz, Arthur Andersen Professor of Taxation, Faculty of Management, University of Toronto, "Issues in Agricultural Taxation." 519 General Services Building.

### SCHOOL OF LIBRARY AND INFORMATION STUDIES

8 March, noon

David H Jenkinson, "Trends in Public School Library Censorship." 301 Rutherford South.

### SLAVIC AND EAST EUROPEAN STUDIES

16 March, 3:30 pm

Liudmila Kuzmitcheva, Department of History, Moscow State University, Stuart Ramsay Tompkins Visiting Professor, "The Establishment of the New Independent States in the Balkans: Problems of Co-existence." 436 Arts Building.

### SOCIOLOGY

7 March, noon

David Brown and Vic Satzewich, University of Lethbridge, "The University of Lethbridge Regional Centre for Health Promotion and Community Studies Research." 5-15 Tory Building.

9 March, noon

Mykhailo Molchanov, coordinator, Public Administration Programs, Institute of Public Administration and Local Government, Ukraine, "Sociology of Administration: Politics, Bureaucracy and Personality." 5-15 Tory Building.

### SOIL SCIENCE

10 March, 12:30 pm

Dave Sego, "Freeze-Thaw Dewatering of Oil Sands Fine Tails as a Potential Reclamation Approach." 2-36 Earth Sciences Building.

### ZOOLOGY

4 March, 3:30 pm


Lynda Corkum, University of Windsor, "Predicting and Modifying Invertebrate Assemblages in Rivers." M-149 Biological Sciences Centre.

8 March, 12:30 pm

Elmira Boikova, National Water Research Institute, Burlington, Ontario, "Impact of Anthropogenic Eutrophication in a Brackish Coastal Ecosystem: The Experience in the Gulf of Riga, Baltic Sea." G-116 Biological Sciences Centre.

11 March, 3:30 pm

John Weins, Colorado State University, "Beetles, Ants, and Ecological Landscapes: Not-So-Random Walks Through the Prairies." M-149 Biological Sciences Centre.

 This symbol denotes environmentally-related seminars/events. If you wish to have an environmentally-related event listed in this manner, please contact: The Environmental Research and Studies Centre, 492-6659.

## In the name of reform

### Ukrainian delegation getting pointers on Western-style management

By Ron Thomas



The delegation from Ukraine first visited the Canadian Institute of Ukrainian Studies where they were welcomed by Acting Director Zenon Kohut, seated, left, and Bohdan Klid. Standing, left to right, are: Bohdan Budzan, Mykhailo Molchanov, Serhii Plokhyy, Yuri Yevdokimov, Volodymyr Piotrovsky, Tatiana Ivanenko and Petro Martynenko. Halyna Polozova arrived a few days after the others.

Eight academics and professionals from Ukraine arrived at the University of Alberta a few days ago and immediately began absorbing knowledge that they will take back to their homeland and apply to the major economic and political reforms taking place there.

Collectively the visitors are known as the "Research and Training for Reform" Fellows.

Their time in Canada, which varies from one to four months, is made possible by a program administered by the Association of Universities and Colleges of Canada on Behalf of External Affairs and International Trade Canada.

Of the 18 Ukrainians chosen to come to Canada, eight have come to the University of Alberta for all or part of their stay. The Canadian Institute of Canadian Studies (CIUS) helped prepare the applications of two of the visitors, Serhii Plokhii and Yuri Yevdokimov.

"The U of A is pleased to welcome the eight Ukrainian scholars to campus," said Martha Piper, Vice-President (Research). "We encourage such exchanges and believe that our research and scholarship will be enhanced through such international interactions.

"This particular exchange acknowledges the important role the University is playing as an academic resource base on Ukraine and Ukrainians in Canada."

"The people selected are considered to be among the most promising candidates in terms of the influence they have in their home institutions and their potential to promote reform," says Bohdan Klid, research associate with CIUS.

Bohdan Budzan, executive director of the International Renaissance Foundation in Kiev, is hosted by the Department of Political Science.

Tatiana Ivanenko, co-director of the Law Library Program at the Ukrainian Legal Foundation in Kiev, is hosted by the Law Library.

Petro Martynenko is a professor of comparative law at Kiev State University, a member of the Commission For Democracy Through Law of the Council of Europe, Strassbourg, France, and senior academic consultant of the Ukrainian Parliament on Constitutional Affairs. He is a guest of the Faculty of Law.

Mykhailo Molchanov is coordinator and chair of the Department of Public Administration Programs, Institute of Public Administration and Local Government (IPALG), Cabinet of Ministers, Kiev. IPALG is headed by Bohdan Krawchenko, until recently director of CIUS. Established in 1992, IPALG's mandate is to play a prominent role in educating the new Ukrainian state's civil service. IPALG receives a significant amount of funding from External Affairs and International Trade Canada as well as countries of the European community. Dr Molchanov is hosted by the Department of Sociology.

Volodymyr Piotrovsky sits on Kharkov's city council and is chairman of the Ecological Fund. An environmental engineer who is also a senior researcher in the environmental control research and design company Energostal, Dr Piotrovsky is hosted by the Department of Civil Engineering.

Serhii Plokhyy is a historian who specializes in the study of religion. He serves as department head, Interconfessional Issues, Institute of Archeography, Ukrainian Academy of Sciences. He is hosted by CIUS.

Halyna Polozova, director of the Law Library Program at the Ukrainian Legal Foundation in Kiev, is hosted by the Law Library.

Yury Yevdokimov is senior scientist at the Gas Research Institute of the Ukrainian Academy of Sciences. An environmental and natural resource economist, he is hosted by the Department of Rural Economy. The Environmental Research and Studies Centre and CIUS are co-hosts.

## Visitor a leader in the field of taxation

Jack Mintz, Arthur Andersen Professor of Taxation at the University of Toronto's Faculty of Management, will be an Endowment Fund for the Future Distinguished Visitor at the University of Alberta from 7 to 18 March.

Professor Mintz, who received his undergraduate education at the U of A, is noted for making a number of theoretical and empirical contributions to the study of taxation. His stature in the field of taxation has been recog-

nized through his appointment to the Arthur Andersen Chair in Taxation in 1989 and his recent appointment as editor-in-chief of a new academic journal, *International Tax and Public Finance*.

Professor Mintz has also been active in the formulation of tax policy and has served as a consultant for the OECD, the World Bank, the federal and provincial governments, and private accounting firms.

He has devoted considerable time and energy to the dissemination of information on tax policy issues by organizing conferences and editing books for the John Deutsch Institute, the CD Howe Institute, and the Canadian Tax Foundation.

Professor Mintz's full round of activities opens 8 March with a public lecture, "The Future of Tax Policy in Canada." He will speak at 3:30 pm in 2-09 Business Building.

## EVENTS

### MUSIC

#### DEPARTMENT OF MUSIC

4 and 5 March, 8 pm

Opera Performance.

8 March, 8 pm

Orchestral Winds Concert.

13 March, 2 pm

Faculty Recital - Tanya Prochazka, cello, and Stéphane Lemelin, piano.

13 March, 8 pm

Faculty Recital - Helmut Brauss, piano.

15 March, 8 pm

Faculty Recital - Jonathan Craig, viola.

All events in Convocation Hall.

#### EDMONTON CHAMBER MUSIC SOCIETY

9 March, 8 pm

"Trio Arcangelo Corelli" - baroque violin, gamba, harpsichord. Tickets available at the door. Information: 433-4532. Convocation Hall.

## Full day of nursing research in Snell Hall

The eighth annual Margaret Scott Wright Research Day will be held Tuesday, 8 March, in Bernard Snell Hall, Mackenzie Health Sciences Centre.

The purpose of the day (8:30-4:30) is to highlight and recognize nursing research in Alberta.

Topics to be presented include: issues in women's health, issues in the care of the elderly, traditional and innovative approaches in pain management, perceptions of caring by patients and nurses, emergency use and misuse, intravenous drug use, HIV and AIDS. Concurrent sessions will take place throughout the day.

Margaret Scott Wright Research Day is sponsored by the Faculty of Nursing and Mu Sigma, a nursing honour society at the U of A. Dr Scott Wright was a former Dean and Professor Emeritus at the Faculty of Nursing, University of Calgary.

## Addition to long-service staff list

When the list of people to be recognized at the annual long-service event was being compiled, John Semple's name was inadvertently omitted from the list of 25-year members of staff.

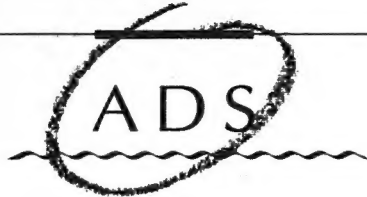
So it was that Professor Semple's name did not appear in the list that was published in the 4 February issue of *Folio*.

On 30 June 1993, Professor Semple completed 25 years as a member of the academic staff in the Faculty of Rehabilitation Medicine's Department of Physical Therapy. He retired as Professor Emeritus on that date and now resides on the west coast.

## Madrigal Singers performing at the Mac

The U of A Madrigal Singers host their fourth annual Dinner Concert on Saturday, 12 March, at 6:30 pm in the Wedgwood Room, Hotel Macdonald. Tickets are \$55 (including \$25 tax-receipted donation), and are available in the Department of Music, 492-0601. Funds raised will be designated for the choir's touring projects.





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**RENT** - Grant MacEwan students or professionals call to view this delightful new townhouse condo. Jacuzzi, underground parking, appliances. Western Relocation Services, 434-4629.

**RENT** - May - July, fully furnished three bedroom house 1 km south of University. New hardwood floors, totally new kitchen, garden. \$900/month. 492-5731, 438-7886.

**SEASONAL RENT** - Two bedroom cottage in Eagle Bay, B.C. on Shuswap Lake. Sleeps five, \$600/week or \$650 with hot tub. Nonsmokers, no pets. 458-2225.

**SALE** - Windsor Park, overlooking Edinboro Park sits this elegant, four bedroom, two storey. Master bedroom with ensuite, fireplace, family room, large deck. \$269,800. 9239 118 Street. Joan, Re/Max Realty. 433-9025, 438-7000.

**RENT** - July 1994 - August 1995. Furnished bungalow, quiet street, Windsor Park. Two bedrooms, offices, bathrooms, large living/family rooms. Greenhouse. Garage. Nonsmokers, no pets. Sabbatical leave. \$1,200/month plus utilities. 492-4635.

**SALE** - Belgravia, huge 1,700' semi, four bedrooms plus developed basement. Newer double garage, hardwood, south yard. \$169,000. Ed Lastiwka, Royal LePage Realty, 446-3800.

**RENT** - Southside, executive four bedroom, four bathroom home. Near University, shopping, schools. Furnished \$1,600, partially \$1,300, utilities extra. Nonsmokers only. Available 1 July, two/three year lease (negotiable). 492-5813, 434-3941.

**SALE** - Old Strathcona, well-kept split level. New siding, carpets and furnace. Beautiful hardwood floors and corner windows. 1 1/2 baths, two plus one bedrooms. Reduced price, \$118,800. 10540 85 Avenue. 439-1671.

**SALE** - Lansdowne, light, bright interior, appealing exterior, big deck, treed yard. Well maintained. Double garage. \$179,900. Pat vonBorstel, Spencer Realty, 435-0808, 437-6540.

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**RENT** - Glenora, modern, one bedroom apartment, hillside bungalow, ravine. Fully furnished, kitchenware, cable TV, utilities included. Responsible adults only, no pets. Ideal for foreign visitor. \$500/month-damage deposit. 452-1447.

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**RENT** - Furnished house, Sherwood Park. 15 April - 30 September. \$850/month. 467-7300.

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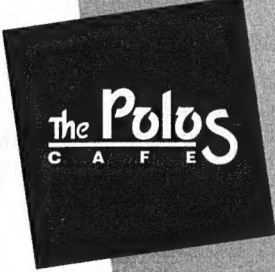
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delivered by

**ULRICH K. PREUSS**

Faculty of Law  
Zentrum für Europäische Rechtspolitik  
University of Bremen

Tuesday, March 8, 1994  
7:30 p.m.

Room 231  
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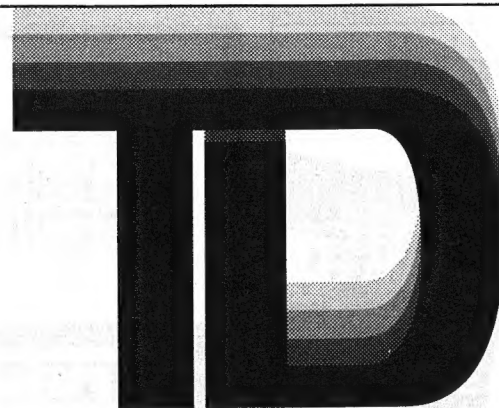
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